



1. Product Name

- NOVA Mechanical Edge-of-Dock Leveler

2. Manufacturer

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3. Product Description

General Description

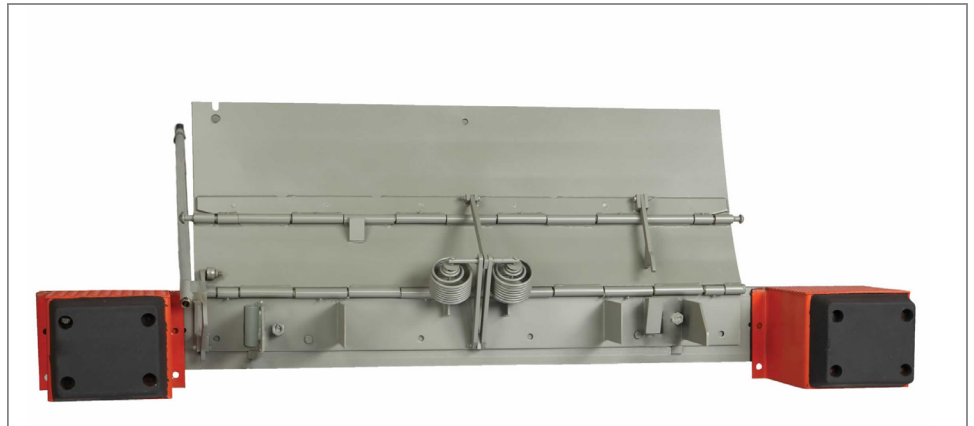
NOVA's Mechanical Edge-of-Dock Leveler mounts to the exterior dock face providing a simple and economical alternative to pit-style levelers.

Operation

The dock attendant pulls the operating handle to raise the center plate back past vertical, engaging the lip extend link arm. Pushing the operating handle forward then extends the lip plate over and onto the trailer bed, after which the handle is returned to the stored position. Once loading/unloading is complete, the operator pulls the operating handle until the lip clears the bed of the trailer and returns the handle to the stored position which also stores the leveler. If the trailer departs before the leveler has been stored, the leveler automatically returns to the stored position.

Structural

Platform and lip are constructed of four-way high tensile 55,000 psi minimum yield (A572) steel safety tread plate. The tread plate on the 20,000 and 25,000 pounds Comparative Industry Rating (CIR) unit is $\frac{3}{8}$ inch thick, the 30,000 pounds (CIR) is $\frac{7}{16}$ inch and the 35,000 pounds (CIR) is $\frac{1}{2}$ inch thick. The standard lip length is 15 inches on all edge-of-dock levelers. Hinge tubes are $1\frac{1}{4}$ inches OD with $\frac{1}{4}$ inch wall thickness for 20,000, 25,000 and 30,000 pounds (CIR) and $1\frac{1}{2}$ inches OD for 35,000 pounds (CIR). Lip hinge pins



are $1\frac{1}{16}$ inch solid shaft cold finish M1044 steel for 20,000, 25,000 and 30,000 pounds and 1 inch or 35,000 pounds (CIR). Each leveler comes standard with a $\frac{1}{2}$ inch full width load distribution bar, connecting the hinge and lip section. Deck is supported in the stored position by a minimum of four steel gussets attached to the base plate.

Bumper Block Assemblies

Leveler is shipped with two bumper block assemblies to help protect the deck plate and building from the approaching truck. Bumper block assemblies are extra-heavy duty 4-inch 1014 constructed of formed steel and incorporate a full height internal gusset for extra support, and total bumper projection of 15 inches. All bumper blocks feature 4-inch thick Tuf-Cord rubber bumper.

Standard Features

- Dual-extension spring lift mechanism
- Heavy-duty self-storing steel lever with EZ grip handle
- Roller-bearing lift mechanism for easy lifting
- Cold-rolled steel hinge pins for added strength and long life
- High-strength steel safety tread plate, minimum 55,000 PSI yield strength
- Grease fittings
- Milled lip edge for smooth tire rollover
- Four steel gussets for added strength and extended life
- Full-width distribution bar for extra durability
- Heavy-duty bumper block assemblies with Tuf-Cord 4-inch 1014 rubber molded bumpers
- Bumper projection—15 inches

Optional Features

- Low-profile design (flat center plate)
- 17-inch lip (for refrigerated trailers with rear step)
- Tapered lip (tapered at sides)
- Recessed installation packages for mini-pits

- Torsion spring
- Dock edge anchoring channel 10 inches length (highly recommended for new construction)
- 3-inch run off guards

Benefits

- High-strength steel safety tread plate, 55,000 psi minimum, lip beveled for smooth transition
- Total projection of bumper blocks and bumpers is 15 inches
- Rubber bumpers attached to bumper blocks of high-strength steel plate
- Formed center plate for added strength
- Steel lever and ball-tipped lifting mechanism is in conjunction with roller bearings and dual extension springs
- Capable of servicing trucks 5 inches above and 5 inches below the dock

Recommended Safety Equipment for Dock Levelers

NOVA Truck Lock and Lock & Load vehicle restraint systems help prevent unexpected trailer departure from the loading dock and minimize trailer creep during the loading/unloading process.

4. Technical Data

Applicable Standards

American National Standards Institute (ANSI)

- ANSI MH30.1-2007—For the Safety, Performance and Testing of Dock Leveling Devices

American Society for Testing Materials (ASTM)

- ASTM A6/A6M—Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes and Sheet Piling
- ASTM A36/A36M—Standard Specification for Carbon Structural Steel
- ASTM A370—Standard Test Methods and Definitions for Mechanical Testing of Steel Products
- ASTM A689—Standard Specification for Carbon and Alloy Steel Bars for Springs
- ASTM A786/A786M—Standard Specification for Hot-Rolled Carbon, Low-Alloy, High-Strength Low-Alloy and Alloy Steel Floor Plates
- ASTM D4950—Standard Classification and Specification of Automotive Service Greases

American Welding Society (AWS)

- AWS D1.1—Structural Welding Code—Steel

Environmental Considerations

NOVA Technology uses environmentally-friendly material in its packaging where available.

5. Installation

Product installation instructions are available online at www.novalocks.com.

6. Availability & Cost

Availability

NOVA Technology products and services are sold entirely through the NOVA Nationwide Dealer Network. For a dealer in your area, routine service, preventative maintenance, product questions, or to request a quote, contact NOVA Technology.

Cost

Pricing information may be obtained from an authorized NOVA dealer.

7. Warranty

NOVA Technology warrants that its products will be free from defects in design, materials and workmanship for a period of one year from the date of shipment.

8. Maintenance


Regular maintenance must be performed on a weekly and quarterly schedule. A complete Owner's/User's manual available at www.novalocks.com.

9. Technical Services

Technical assistance, including more detailed information, product literature, test results, project lists, or assistance in preparing project specifications, is available by contacting NOVA Technology.

10. Filing Systems

- ARCAT®
- Additional product information is available from the manufacturer upon request

 **WARNING:** This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov